

Appl. No. 09/457,847
Atty. Docket No. 7114
Amdt. Dated 4/11/2005
Reply to Office Action of 02/28/2005
Customer No. 27752

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (Canceled).

14. (Previously Presented) The article of manufacture of Claim 56 wherein said monomers of said shape retention polymer are selected from the group consisting of: acrylic acid, methacrylic acid, crotonic acid, maleic acid and its half esters, itaconic acid, and esters of said acids with methanol, ethanol, 1-propanol, 2-propanol, 1-butanol, 2-methyl-1-propanol, 1-pentanol, 2-pentanol, 3-pentanol, 2-methyl-1-butanol, 1-methyl-1-butanol, 3-methyl-1-butanol, 1-methyl-1-pentanol, 2-methyl-1-pentanol, 3-methyl-1-pentanol, t-butanol, cyclohexanol, 2-ethyl-1-butanol, neodecanol, 3-heptanol, benzyl alcohol, 2-octanol, 6-methyl-1-heptanol, 2-ethyl-1-hexanol, 3,5-dimethyl-1-hexanol, 3,5,5-trimethyl-1-hexanol, 1-decanol, 1-dodecanol, and mixtures thereof; methyl acrylate; ethyl acrylate; t-butyl acrylate; methyl methacrylate; hydroxyethyl methacrylate; methoxy ethyl methacrylate; N,N-dimethylacrylamide; N-t-butyl acrylamide; maleimides; vinyl alcohol; allyl alcohol; vinyl acetate; vinyl propionate; methyl vinyl ether; vinyl pyrrolidone; vinyl caprolactam; vinyl pyridine; vinyl imidazole; vinyl amine; diethylene triamine; dimethylaminoethyl methacrylate; ethenyl formamide; vinyl sulfonate; ethylene; propylene; butadiene; cyclohexadiene; vinyl chloride; vinylidene chloride; salts thereof; alkyl quaternized derivatives thereof; and mixtures thereof.

15. (Previously Presented) The article of manufacture of Claim 14 wherein said monomers of said shape retention polymer are selected from the group consisting of: acrylic acid; methacrylic acid; methyl acrylate; ethyl acrylate; methyl methacrylate; t-butyl acrylate; t-butyl methacrylate; n-butyl acrylate; n-butyl methacrylate; isobutyl methacrylate; 2-ethylhexyl methacrylate; vinyl alcohol; dimethylaminoethyl methacrylate; N,N-dimethyl acrylamide; N,N-dimethyl methacrylamide; N-t-butyl acrylamide; vinylpyrrolidone; vinyl pyridine; adipic acid; diethylenetriamine; salts thereof; alkyl quaternized derivatives thereof; and mixtures thereof.

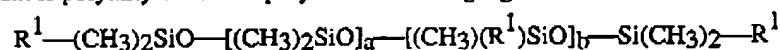
Claims 16-32 (Canceled).

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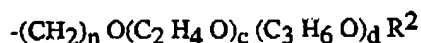
33. (Previously Presented) The article of manufacture of claim 56 wherein said composition further comprising from about 0.05% to about 5% by weight of the of the usage composition, of surfactant.

34. (Previously Presented) The article of manufacture of Claim 33 wherein said surfactant is selected from the group consisting of ethoxylated surfactant, silicone surfactant, anionic surfactant, and mixtures thereof.

35. (Previously Presented) The article of manufacture of Claim 34 wherein said silicone surfactant is polyalkyleneoxide polysiloxane having a general formula:



wherein a + b are from about 1 to about 50, and each R¹ is the same or different and is selected from the group consisting of methyl and a poly(ethyleneoxide/propyleneoxide) copolymer group having the general formula:



with at least one R¹ being a poly(ethyleneoxide/propyleneoxide) copolymer group, and wherein n is 3 or 4; total c (for all polyalkyleneoxy side groups) has a value of from 1 to about 100; d is from 0 to about 14; c+d has a value of from about 5 to about 150; and each R² is the same or different and is selected from the group consisting of hydrogen, an alkyl having 1 to 4 carbon atoms, and an acetyl group.

36. (Previously Presented) The article of manufacture of Claim 34 wherein said ethoxylated surfactant has a general formula:



wherein R⁸ is an alkyl group or an alkyl aryl group, selected from the group consisting of primary, secondary and branched chain alkyl hydrocarbyl groups, primary, secondary and branched chain alkenyl hydrocarbyl groups, and/or primary, secondary and branched chain alkyl- and alkenyl-substituted phenolic hydrocarbyl groups having from about 6 to about 20 carbon atoms; s is an integer from about 2 to about 45; B is a hydrogen, a carboxylate group, or a sulfate group; and linking group Z is -O-, -C(O)O-, -C(O)N(R)-, or -C(O)N(R)-, and mixtures thereof, in which R, when present, is R⁸ or hydrogen.

37. (Previously Presented) The article of manufacture of Claim 36 wherein said ethoxylated surfactant is nonionic surfactant.

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38. (Previously Presented) The article of manufacture of Claim 56 wherein said composition further comprising at least one additional component selected from the group consisting of surfactant, perfume, odor control agent, antimicrobial active, antibacterial preservative, aminocarboxylate chelator, static control agent, insect repelling agent, and moth repelling agent.

39. (Previously Presented) The article of manufacture of Claim 56 wherein said composition further comprising from about 0.1% to about 10%, by weight of said composition, of low molecular weight, water soluble, organic solvent to improve drying rate, selected from the group consisting of ethanol, propanol, isopropanol, and mixtures thereof.

40. (Previously Presented) The article of manufacture of Claim 39 wherein said low molecular weight, water soluble, organic solvent is present at a level of from about 0.1% to about 5%, by weight of said composition.

41. (Previously Presented) The article of manufacture of Claim 40 wherein said low molecular weight, water soluble, organic solvent is present at a level of from about 0.1% to about 2%, by weight of said composition.

42. (Previously Presented) The article of manufacture of Claim 38 wherein said composition is essentially free of short-chain polyhydric alcohols.

Claims 43-44 (Canceled).

45. (Previously Presented) The article of manufacture of Claim 56 wherein said container comprises a spray dispenser.

46. (Previously Presented) The article of manufacture of Claim 56 wherein said container is chosen from a trigger spray device, aerosol spray dispenser, or a non-manually operated spray dispenser.

47. (Canceled)

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48. (Previously Presented) The article of manufacture of Claim 46 wherein said non-manually operated spray dispenser is selected from the group consisting of: powered sprayer; air aspirated sprayer; liquid aspirated sprayer; electrostatic sprayer; and nebulizer sprayer.

49. (Previously Presented) The article of manufacture of Claim 56 wherein said container is in association with instructions to use the composition at an effective level on dry wrinkled fabric, optionally in combination with stretching and/or smoothing of fabric by hand, to provide effective wrinkle removal.

50. (Previously Presented) The article of manufacture of Claim 56 wherein said container is in association with instructions to use the composition at an effective level on wet or damp wrinkled fabric, optionally in combination with stretching and/or smoothing of fabric by hand, to provide effective wrinkle removal.

Claims 51-55 (canceled).

56. (Currently Amended) An article of manufacture comprising a container which contains a fabric wrinkle control composition comprising:

- (A) from about 0.05% to about 10%, by weight of the composition, of a wrinkle control agent, wherein said wrinkle control agent is a shape retention polymer having a glass transition temperature of from about -20°C to about 150°C; wherein said shape retention polymer comprises a monomer chosen from a low molecular weight C₁-C₆ unsaturated organic mono-carboxylic or polycarboxylic acid; ester of said acid with a C₁-C₁₂ alcohol; amide or imide of said acid; low molecular weight unsaturated alcohol; ester of a low molecular weight unsaturated alcohol with a low molecular weight carboxylic acid; ether of a low molecular weight unsaturated alcohol; polar vinyl heterocyclic; unsaturated amine or amide; vinyl sulfonate; salt of said acid or amine; C₁-C₄ alkyl quaternized derivative of said amine; low molecular weight unsaturated hydrocarbon; derivative of said low molecular weight unsaturated hydrocarbon; and mixture thereof;

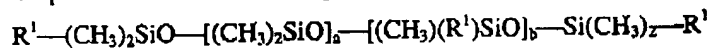
said composition having a pH from about 9 to about 10.5, and said container comprises a spray dispenser that provides droplets having a Sauter mean diameter of from about 10 µm to about 120 µm.

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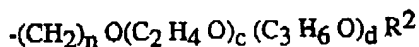
Claims 57-59 (Canceled).

60. (Previously Presented) The article of manufacture of Claim 56 further comprising a set of instructions that relate to the reduction of the level of microorganisms on the surface being treated and said composition further comprises from about 0.001% to about 0.8%, by weight of said composition, of an antimicrobial active chosen from a halogenated compound, cyclic nitrogen compound, quaternary compound, and phenolic compound.

61. (Previously Presented) The article of manufacture of Claim 60 wherein said composition further comprises surfactant which is polyalkyleneoxide polysiloxane having a general formula:



wherein $a + b$ are from about 1 to about 50, and each R^1 is the same or different and is selected from the group consisting of methyl and a poly(ethyleneoxide/propyleneoxide) copolymer group having the general formula:



with at least one R^1 being a poly(ethyleneoxide/propyleneoxide) copolymer group, and wherein n is 3 or 4; total c (for all polyalkyleneoxy side groups) has a value of from 1 to about 100; d is from 0 to about 14; $c+d$ has a value of from about 5 to about 150; and each R^2 is the same or different and is selected from the group consisting of hydrogen, an alkyl having 1 to 4 carbon atoms, and an acetyl group

62. (Previously Presented) The article of manufacture of Claim 56 further comprising a set of instructions relating to the reduction of static on the treated surface.

63. (Previously Presented) The article of manufacture of Claim 56 wherein said composition is a concentrated composition to be diluted for use, wherein said concentrated composition comprises from about 1% to about 20%, by weight of said concentrated composition, of said wrinkle control agent.

64. (Previously Presented) The article of manufacture of Claim 56 wherein said spray dispenser provides droplets having a Sauter mean diameter of from about 20 μm to about 100 μm .

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65.(Currently Amended) A method of contacting a fabric with a composition from a container comprising a spray dispenser, wherein the spray dispenses the composition with droplets having a Sauter mean diameter from about 10 μm to about 120 μm , wherein the composition comprises a polymer, and wherein the polymer comprises a monomer chosen from a low molecular weight $\text{C}_1\text{-C}_6$ unsaturated organic mono-carboxylic or polycarboxylic acid; ester of said acid with a $\text{C}_1\text{-C}_{12}$ alcohol; amide or imide of said acid; low molecular weight unsaturated alcohol; ester of a low molecular weight unsaturated alcohol with a low molecular weight carboxylic acid; ether of a low molecular weight unsaturated alcohol; polar vinyl heterocyclic; unsaturated amine or amide; vinyl sulfonate; salt of said acid or amine; $\text{C}_1\text{-C}_4$ alkyl quaternized derivative of said amine; low molecular weight unsaturated hydrocarbon; derivative of said low molecular weight unsaturated hydrocarbon; and mixture thereof; and said composition having a pH from about 9 to about 10.5.

66.(Previously Presented) The article of claim 56, wherein the fabric wrinkle control composition is stable and aqueous.